



AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claim 1 (Currently amended): A display device comprising:

a display that presents color images, the display including a housing; ~~and~~
a processor within the housing of the display that adjusts the color images presented by the display, wherein the processor;

receives color input including input color image data;—
processes the color input based on a source device profile associated with a source imaging device and a display profile associated with the display to generate altered color image data;—and

outputs the altered color image data to the display to present the color image; and
an archive within the housing and coupled to the processor, wherein the processor:
checks the archive to determine whether the altered color image data has already been
generated for the color input,

processes the color input to generate the altered color image data if the altered color
image data has not already been generated, and

calls the altered color image data from the archive when the altered color image data has
already been generated.

Claim 2 (Canceled)

Claim 3 (Previously Presented): The display device of claim 1, wherein the processor receives internal color input and external color input.

Claim 4 (Previously Presented): The display device of claim 1, wherein the color input includes the display profile and the source device profile.

Claim 5 (Canceled)

Claim 6 (Original): The display device of claim 3, wherein the internal color input includes sensed conditions.

Claim 7 (Original): The display device of claim 3, wherein the external color input includes user input.

Claim 8 (Previously Presented): The display device of claim 3, wherein the external color input includes the input color image data.

Claim 9 (Previously Presented): The display device of claim 1, wherein the processor is an application specific integrated circuit (ASIC).

Claim 10 (Original): The display device of claim 1, wherein the display is one of the following: Cathode ray tube, flat panel display, digital paper, plasma display, and electronic ink display.

Claim 11-12 (Canceled)

Claim 13 (Previously Presented): The display device of claim 1, wherein the images rendered on the display substantially visually matches an image rendered by the source device associated with the source profile.

Claim 14 (Canceled).

Claim 15 (Currently amended): The display device of claim 1~~claim 14~~, wherein the archive stores a link indicative of a mapping of the color input from a particular source device to the display device.

Claim 16 (Currently amended): The display device of claim 1~~claim 14~~, wherein the archive comprises electrically-erasable-programmable-read-only-memory.

Claim 17 (Currently amended): The display device of claim 1~~claim 14~~, wherein the archive comprises random access memory.

Claims 18 - 21 (Canceled)

Claim 22 (Currently amended): A method comprising:
receiving color input in a display device;
processing the color input in a processor internally housed within a housing of the display device to generate altered image data; ~~and~~
displaying a color image according to the altered image data;
generating a link indicative of a mapping of the color input from a particular source device to the display device;
storing the link in an archive coupled to the processor;
receiving another color input, the another color input being the same as the color input for which the link was generated; and
accessing the archive to obtain the link without re-generating the altered color image data.

Claim 23 (Original): The method of claim 22, wherein receiving color input in the display device comprises receiving internal input and external input.

Claim 24 (Original): The method of claim 23, wherein receiving internal input includes receiving sensed conditions.

Claim 25 (Original): The method of claim 23, wherein receiving internal input includes receiving a display profile.

Claim 26 (Original): The method of claim 23, wherein receiving external input includes receiving sensed conditions.

Claim 27 (Original): The method of claim 23, wherein receiving external input includes receiving image data.

Claim 28 (Original): The method of claim 23, wherein receiving external input includes receiving a source profile.

Claim 29-37 (Canceled)

Claim 38 (Currently amended): A system comprising:
a plurality of display devices, each display device including a display defining a housing and a color matching processor internally housed within the housing of each display;
a color management control coupled to the display devices; ~~and~~
at least one printing device coupled to the color management control; and
a plurality of archives, wherein each of the archives is coupled to one of the internally integrated color matching processors, wherein each of the archives store links indicative of mappings of color input from particular source devices to the respective display devices associated with the respective archives.

Claim 39-40 (Canceled)

Claim 41 (Original): The system of claim 38, wherein each respective color matching processor:
receives color input from the color management unit,
processes the color input; and
outputs altered color image data to the respective display device associated with the respective color matching processor.

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Claim 42 (Original): The system of claim 41, wherein each respective color matching processor receives color input from the respective display device associated with the respective color matching processor.

Claims 43 - 46 (Canceled).